EFFECTIVE: 01/01/2017

MISSOURI HIGHWAYS AND TRANSPORATION COMMISSION

MISSOURI STANDARD PLANS FOR HIGHWAY CONSTRUCTION

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203.02F	UNDERGRADING – TYPICAL DETAILS	2	01/01/2004
203.10D	TABULATED EARTHWORK AND SECTION DATA	1	02/01/2009
203.20F	SUPERELEVATION SPIRALS AND WIDENING (UNDIVIDED HIGHWAY)	5	04/01/2002
203.21J	SUPERELEVATION SPIRALS AND WIDENING (DIVIDED HIGHWAY)	5	04/01/2002
203.35A	MAILBOX TURNOUTS	1	08/01/1981
203.40G	TYPICAL DETAILS ON AND OFF RAMP	2	10/01/2007
203.41F	TYPICAL DETIALS ON AND OFF RAMPS (ROADWAY WITH 6:1 FORESLOPE)	2	01/01/1995
203.50N	TYPICAL MEDIAN OPENINGS (DIVIDED HIGHWAYS)	2	04/01/2016
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203.62C	DRIVEWAY – TYPE II	2	07/01/2004
203.63A	DRIVEWAY – TYPE III	2	01/01/1992
203.64C	DRIVEWAY – TYPE IV	2	07/01/2004
203.65A	DRIVEWAY – TYPE V	1	10/01/1998
204.00D	EMBANKMENT CONTROL – MEASURING DEVICES	1	04/01/1983
204.30	PORE PRESSURE MEASUREMENT DEVICES	1	03/01/1996
401.00A	TYPE A2 AND A3 SHOULDERS	2	04/01/2009
413.20	SCRUB SEAL BROOM CONFIGURATION	1	07/01/2004
502.05N	CONCRETE PAVEMENT AND BASE APPURTENANCES FOR 15 FT. JOINT SPACING	4	07/01/2015
502.10K	DOWEL SUPPORTING UNITS	2	06/01/2010
504.00J	CONCRETE APPROACH PAVEMENT	3	07/01/2015
602.00D	RIGHT-OF-WAY AND DRAIN MARKERS	2	01/01/2003
604.05D	PIPE CULVERT HEADWALLS – TYPES S	2	08/01/2006
604.10E	PIPE CULVERT HEADWALLS – ENERGY DISSIPATOR FOR 18" CONCRETE PIPE	1	07/01/2001
604.11E	PIPE CULVERT HEADWALLS – ENERGY DISSIPATOR FOR 24" CONCRETE PIPE	1	07/01/2001
604.12E	PIPE CULVERT HEADWALLS – ENERGY DISSIPATOR FOR 30" CONCRETE PIPE	1	07/01/2001
604.13E	PIPE CULVERT HEADWALLS – ENERGY DISSIPATOR FOR 36" CONCRETE PIPE	1	07/01/2001
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604.15E	PIPE CULVERT HEADWALLS – ENERGY DISSIPATOR FOR 48" CONCRETE PIPE	1	07/01/2001
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604.30G	CONCRETE MANHOLES	2	02/01/2009
604.40F	PIPE COLLARS	2	10/01/2000
604.70	SLOTTED DRAIN	2	03/01/1994
605.10I	PAVEMENT UNDERDRAINAGE	4	06/01/2013
606.00AY	GUARDRAIL	* 7	01/01/2017
606.01F	MEDIAN PIER PROTECTION	9	08/01/2012
606.22U	BRIDGE ANCHOR SECTION – SAFTEY BARRIER CURB ON BRIDGE	6	07/01/2016
606.23J	BRIDGE ANCHOR SECTION - THRIE BEAM RAIL ON BRIDGE	5	07/01/2016
606.30J	GUARDRAIL - TERMINAL ANCHOR ENDS	* 7	01/01/2017
606.31	CRASHWORTHY END TERMINALS – TYPE A – GRADING LIMITS	* 1	01/01/2017
606.40D	ONE-STRAND ACCESS RESTRAINT CABLE	2	07/01/2004
606.41K	THREE-STRAND GUARD CABLE	7	10/01/2016
606.50B	MIDWEST GUARDRAIL SYSTEM (MGS)	* 8	01/01/2017
606.60	MIDWEST GUARDRAIL SYSTEM (MGS) – VERTICAL BARRIER TRANSITIONS	5	07/01/2016
606.70A	MIDWEST GUARDRAIL SYSTEM (MGS) – THRIE BEAM RAIL ON BRIDGE	5	10/01/2016

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606.80B	MIDWEST GUARDRAIL SYSTEM (MGS) – TERMINAL ANCHOR ENDS *		01/01/2017
606.81	MASH – CRASHWORTHY END TERMINALS – TYPE A – GRADING LIMITS	1	01/01/2017
607.10V	CHAIN-LINK FENCE	1	02/01/2007
607.11H	CHAIN-LINK FENCE FOR RETAINING WALLS	1	06/01/2009
607.20G	WOVEN WIRE FENCE	2	07/01/201
608.00H	PAVED APPROACHES	2	10/01/200
608.10P	CONCRETE SIDEWALK	1	04/01/201
608.20E	CONCRETE STAIRS	2	04/01/201
608.30A	CONCRETE MEDIAN STRIP	1	02/01/201
608.40	HANDRAILING	4	04/01/201
608.50	CURB RAMPS	4	04/01/201
609.00P	CONCRETE CURB. CURB AND GUTTER AND GUTTER	2	08/01/200
609.15D	PAVED DITCHES	1	07/01/201
609.40S	DRAIN BASIN, SHOULDER PAVING AND FILL SLOPES AT BRIDGE ENDS		01/01/201
609.60C	ROCK DITCH LINER	1	03/01/199
609.70C	ROCK LINING FOR CULVERT OUTLET	1	10/01/198
611.60R	CONCRETE SLOPE PROTECTION	1	07/01/201
612.20D	SAND FILLED IMPACT ATTENUATORS	1	08/01/200
613.00R	PAVEMENT REPAIR	3	10/01/201
614.10T	GRATES AND BEARING PLATES	1	12/01/200
614.11C	CURVED VANE GRATE AND FRAME	1	06/01/201
614.30E	MANHOLE AND FRAME COVERS	2	07/01/199
616.10AT	TEMPORARY TRAFFIC CONTROL DEVICES		01/01/201
617.10J	PERMANENT CONCRETE TRAFFIC BARRIER	12	10/01/201
617.20D	TEMPORARY CONCRETE TRAFFIC BARRIER	8	10/01/201
619.10H	PAVEMENT EDGE TREATMENT *	1	10/01/201
620.00L	PAVEMENT MARKING	5	10/01/201
620.10E	TEMPORARY PAVEMENT MARKING		01/01/201
625.00	HOLE PATTERN FOR PAVEMENT SLAB STABILIZATION	1	10/01/199
626.00H	RUMBLE STRIPS	2	04/01/200
702.02F	CAST-IN-PLACE CONCRETE PILES (APPROVED TYPES)	1	07/01/200

^{*} REVISED OR ADDED SINCE OCTOBER 2016

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703.11J	CONCRETE SINGLE BOX CULVERT – FLARED WINGS (SQUARED)	3	07/01/2015
703.12J	CONCRETE SINGLE BOX CULVERT – STRAIGHT WINGS (LEFT ADVANCE)	3	07/01/2015
703.13J	CONCRETE SINGLE BOX CULVERT – FLARED WINGS (LEFT ADVANCE)	3	07/01/2015
703.14J	CONCRETE SINGLE BOX CULVERT - STRAIGHT WINGS (RIGHT ADVANCE)	3	07/01/2015
703.15E	CONCRETE SINGLE BOX CULVERT – FLARED WINGS (RIGHT ADVANCE)	3	07/01/2015
703.16	CONCRETE SINGLE BOX CULVERT – CUT SECTIONS	1	04/01/2011
703.17	CONCRETE SINGLE BOX CULVERT – MEMBER SIZES AND REINFORCEMENT	14	04/01/2011
703.37C	CONCRETE BOX CULVERT – EXTERIOR WING REINFORCEMENT	2	04/01/2011
703.38A	CONCRETE BOX CULVERT – CUTTING DETAILS	2	10/01/2009
703.40H	CONCRETE DOUBLE BOX CULVERT – STRAIGHT WINGS (SQUARE)	3	10/01/2011
703.41H	CONCRETE DOUBLE BOX CULVERT – FLARED WINGS (SQUARE)	3	10/01/2011
703.42H	CONCRETE DOUBLE BOX CULVERT – STRAIGHT WINGS (LEFT ADVANCE)	3	10/01/2011
703.43H	CONCRETE DOUBLE BOX CULVERT – FLARED WINGS (LEFT ADVANCE)	3	10/01/2011
703.44H	CONCRETE DOUBLE BOX CULVERT – STRAIGHT WINGS (RIGHT ADVANCE)	3	10/01/2011
703.45C	CONCRETE DOUBLE BOX CULVERT – FLARED WINGS (RIGHT ADVANCE)	3	10/01/2011
703.46	CONCRETE DOUBLE BOX CULVERT – CUT SECTION	1	10/01/2011
703.47	CONCRETE DOUBLE BOX CULVERT – MEMBER SIZES AND REINFORCEMENT	27	10/01/2011
703.60E	CONCRETE BOX STRUCTURE – PIPE INLET	1	07/01/2001
703.80H	CONCRETE TRIPLE BOX CULVERT – STRAIGHT WINGS (SQUARE)	3	12/01/2011
703.81H	CONCRETE TRIPLE BOX CULVERT - FLARED WINGS (SQUARE)	3	12/01/2011
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703.84H	CONCRETE TRIPLE BOX CULVERT – STRAIGHT WINGS (RIGHT ADVANCE)	3	12/01/2011
703.85C	CONCRETE TRIPLE BOX CULVERT – FLARED WINGS (RIGHT ADVANCE)	3	12/01/2011
703.86	CONCRETE TRIPLE BOX CULVERT – CUT SECTIONS	1	12/01/2011
703.87	CONCRETE TRIPLE BOX CULVERT – MEMBER SIZES AND REINFORCEMENT	27	12/01/2011
706.35H	BAR SUPPORTS FOR CONCRETE REINFORCEMENT	1	07/01/2004
712.40K	STEEL DAMS AT EXPANSION JOINTS	1	04/01/2016
725.00C	CORRUGATED METAL PIPE INSTALLATION METHODS	5	04/01/2011
725.31C	METAL CURTAIN WALL AND METAL INLETS	1	07/01/2004
726.30J	RIGID CULVERT INSTALLATION METHODS	2	04/01/2015
730.00E	THERMOPLASTIC PIPE INSTALLATION METHODS	1	04/01/2015
731.00U	PRECAST MANHOLES	2	07/01/2016
731.10S	PRECAST DROP INLET	8	07/01/2016
732.00S	FLARED END SECTION	3	04/01/2016
732.05C	BEVELED PIPE END TREATMENT	2	07/01/2004
732.10H	SAFETY SLOPE END SECTION	3	06/01/2013
806.10J	TEMPORARY EROSION CONTROL MEASURES	6	04/01/2015
808.00	TYPICAL PLANTING ILLUSTRATIONS	3	07/01/2004
901.00AA	HIGHWAY LIGHTING – POLES, FOUNDATION & APPURTENANCES FOR 30' M.H.	4	12/01/2013
901.01AH	HIGHWAY LIGHTING – POLES, FOUNDATION & APPURTENANCES FOR 45' M.H.	6	12/01/2013
901.02B	HIGHWAY LIGHTING – CABLE, CONDUIT AND TRENCHING	1	04/01/2002
	HIGHWAY LIGHTING – BASE MOUNTED CONTROL STATION	2	04/01/2005

STANDARD NO.	DRAWING TITLE	NO. OF SHEETS	EFFECTIVE DATE
901.80D	HIGHWAY LIGHTING - POWER SUPPLY ASSEMBLY - SECONDARY SERVICE	2	04/01/2002
901.85A	HIGHWAY LIGHTING SYMBOLS	1	01/01/2003
902.00N	TRAFFIC SIGNALS – SIGNAL HEADS MOUNTING	2	07/01/2015
902.10Q	TRAFFIC SIGNALS – CONTROLLERS CONDUIT LOCATION	1	04/01/2005
902.15K	TRAFFIC SIGNALS – POWER SUPPLY ASSEMBLY	3	07/01/2004
902.20G	TRAFFIC SIGNALS – CONCRETE PULL BOXES	3	11/01/2010
902.21C	TRAFFIC SIGNALS – TELEPHONE INTERCONNECT	1	03/01/1996
902.30P	TRAFFIC SIGNALS – POST BASES	2	02/01/2008
902.40Q	TRAFFIC SIGNALS – TUBULAR STEEL POSTS	3	02/01/2008
902.50L	TRAFFIC SIGNALS – INDUCTION LOOP DETECTORS	2	06/01/2009
902.70P	TRAFFIC SIGNALS – RIGID SPAN WIRE DETAILS	2	02/01/2008
902.80K	TRAFFIC SIGNALS – TRAFFIC SIGNAL SYMBOLS	1	07/01/2015
903.01J	STANDARD ARROW DETAILS	2	10/01/2016
903.02AN	HIGHWAY SIGNING	* 8	01/01/2017
903.03BJ	POST INSTALLATION AND SIGN MOUNTING DETAILS	15	10/01/2016
903.04F	HIGHWAY SIGNING – WEIGH STATION	1	02/01/2012
903.05J	HIGHWAY SIGNING – TUBULAR SUPPORT STEEL – TYPE S, ONE TUBE	2	10/01/2016
903.06J	HIGHWAY SIGNING – TUBULAR SUPPORT STEEL – TYPE S, TWO TUBE	2	10/01/2016
903.07J	HIGHWAY SIGNING – TUBULAR SUPPORT STEEL – TYPE C	2	10/01/2016
903.08H	HIGHWAY SIGNING – TUBULAR SUPPORT STEEL – TYPE B	2	10/01/2016
903.10BC	OVERHEAD SIGN TRUSSES – ALUMINUM	6	10/01/2016
903.12Z	OVERHEAD SIGN TRUSSES – BUTTERFLY AND CANTILEVER STRUCTURAL STEEL	7	10/01/2016
903.60AB	OVERHEAD SIGN TRUSSES – STRUCTURAL STEEL	5	10/01/2016